

ABSTRACT OF THE DISCLOSURE

The invention relates to a method for preparing biological samples for analysis,
5 comprising the following steps: (a) the biological sample is placed on a two-dimensional support;
(b) application of a protein-precipitating or denaturing first solution L1 to the biological sample
at a first temperature T1 for a predetermined first time period Z1; (c) the protein-precipitating or
denaturing first solution L1 is then left, or more solution is applied to the biological sample or a
protein-precipitating or denaturing second solution L2 is applied to the biological sample at a
10 temperature T2, for a predetermined second time period Z2, whereby T2 is lower than T1 and Z2
is longer, equal to or shorter than Z1; and (d) drying of the sample. The invention also relates to a
device for carrying out a method for the preparation of biological samples for analysis, in
accordance with one of the aforementioned claims, said device (10) comprising at least one
chamber (12) for receiving the biological sample or samples that has/have been applied to at least
15 one support and comprising at least one temperature controller (14) for controlling and adjusting
the temperature inside the chamber (12).